



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

**\*BIBDATASHEET\*****CONFIRMATION NO. 6452**

Bib Data Sheet

|                             |                                       |              |                        |                                       |
|-----------------------------|---------------------------------------|--------------|------------------------|---------------------------------------|
| SERIAL NUMBER<br>10/673,555 | FILING DATE<br>09/30/2003<br><br>RULE | CLASS<br>330 | GROUP ART UNIT<br>2817 | ATTORNEY<br>DOCKET NO.<br>GK-US035131 |
|-----------------------------|---------------------------------------|--------------|------------------------|---------------------------------------|

## APPLICANTS

Seyeob Kim, Seoul, KOREA, REPUBLIC OF;

Bo-Eun Kim, Youngin-si, KOREA, REPUBLIC OF;  
Minsu Jeong, Anyang-si, KOREA, REPUBLIC OF;\*\* CONTINUING DATA \*\*\*\*\* *U-C**now*\*\* FOREIGN APPLICATIONS \*\*\*\*\* *U-C*

REPUBLIC OF KOREA 10-2002-59258 09/30/2002

REPUBLIC OF KOREA 10-2002-59260 09/30/2002

IF REQUIRED, FOREIGN FILING LICENSE GRANTED \*\* SMALL ENTITY \*\*

\*\* 12/19/2003

|  |  |   |                        |                      |                            |
|--|--|---|------------------------|----------------------|----------------------------|
| Foreign Priority claimed<br><input checked="" type="checkbox"/> yes <input type="checkbox"/> no<br>35 USC 119 (a-d) conditions<br><input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after<br>met<br>Allowance<br>Verified and<br>Acknowledged | <i>[Signature]</i><br>Examiner's Signature<br>Initials | STATE OR<br>COUNTRY<br>KOREA,<br>REPUBLIC<br>OF | SHEETS<br>DRAWING<br>6 | TOTAL<br>CLAIMS<br>9 | INDEPENDENT<br>CLAIMS<br>3 |
|--|--|---|------------------------|----------------------|----------------------------|

## ADDRESS

22919  
SHINJYU GLOBAL IP COUNSELORS, LLP  
1233 20TH STREET, NW, SUITE 700  
WASHINGTON, DC  
20036-2680

## TITLE

Transconductance varying circuit of transconductor circuit, varying bandwidth filter circuit using the same and  
digital tuning circuit of transconductor-capacitor filter

|            |   |   |
|------------|---|---|
| FILING FEE | FEES: Authority has been given in Paper<br>No. _____ to charge/credit DEPOSIT ACCOUNT | <input type="checkbox"/> All Fees                                 |
|            |   | <input type="checkbox"/> 1.16 Fees ( Filing )                     |
|            |   | <input type="checkbox"/> 1.17 Fees ( Processing Ext. of<br>time ) |

|  |                          |   |  |                                      |                                 |
|--|--------------------------|---|--|--------------------------------------|---------------------------------|
| RECEIVED<br>450                              | No. _____ for following: | <table border="1"><tr><td><input type="checkbox"/> 1.18 Fees ( Issue )</td></tr><tr><td><input type="checkbox"/> Other _____</td></tr><tr><td><input type="checkbox"/> Credit</td></tr></table> | <input type="checkbox"/> 1.18 Fees ( Issue ) | <input type="checkbox"/> Other _____ | <input type="checkbox"/> Credit |
| <input type="checkbox"/> 1.18 Fees ( Issue ) |                          |   |  |                                      |                                 |
| <input type="checkbox"/> Other _____         |                          |   |  |                                      |                                 |
| <input type="checkbox"/> Credit              |                          |   |  |                                      |                                 |